



<120> Process for the microbial production of amino acids by boosted activity of export carriers

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<140> PCT/DE96/02485

<141> 1996-12-18

<160> 3

<170> PatentIn Ver. 2.0

<210> 1

<211> 2374

<212> DNA

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aca gcg gag gcg gct gag ttc atg gcg gag gag ggc tgc ccg ctt ctg 145 Thr Ala Glu Ala Glu Phe Met Ala Glu Glu Gly Cys Pro Leu Leu 35 40 45

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Ile His Gln Pro Ser Tyr Ser Ile Ile Asn Arg Trp Val Glu Glu Pro
50 55 60

ggc gat gac ggt gag aac ttg ttg cag tca gct gcc aac aat ggt ctt 241 Gly Asp Asp Gly Glu Asn Leu Leu Gln Ser Ala Ala Asn Asn Gly Leu

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<213> Corynebacterium glutamicum

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Ile His Gln Pro Ser Tyr Ser Ile Ile Asn Arg Trp Val Glu Glu Pro 50 55 60

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Gly Val Ile Ala Phe Ser Pro Leu Ala Gln Gly Leu Leu Thr Asp Lys 85 90 95

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115 120 125

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Ser Arg Thr Gln Pro Ala Lys Ala Thr Glu Ala Gly Glu Val Leu Val 50 55 60

Gln Ala Ala Arg Lys Met Val Leu Leu Gln Ala Glu Thr Lys Ala Gln 65 70 75 80

Leu Ser Gly Arg Leu Ala Glu Ile Pro Leu Thr Ile Ala Ile Asn Ala 85 90 95

Asp Ser Leu Ser Thr Trp Phe Pro Pro Val Phe Asn Glu Val Ala Ser 100 105 110

Trp Gly Gly Ala Thr Leu Thr Leu Arg Leu Glu Asp Glu Ala His Thr
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Leu Ser Leu Leu Arg Arg Gly Asp Val Leu Gly Ala Val Thr Arg Glu 130 135 140

Ala Asn Pro Val Ala Gly Cys Glu Val Val Glu Leu Gly Thr Met Arg 145 150 155 160

His Leu Ala Ile Ala Thr Pro Ser Leu Arg Asp Ala Tyr Met Val Asp 165 170 175

Gly Lys Leu Asp Trp Ala Ala Met Pro Val Leu Arg Phe Gly Pro Lys 180 185 190

Asp Val Leu Gln Asp Arg Asp Leu Asp Gly Arg Val Asp Gly Pro Val 195 200 205

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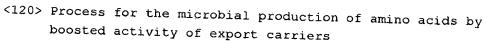
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## SEQUENCE LISTING

<110> Marina Vrlijc et al., Forschungszentrum Julich GmbH





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<140> PCT/DE96/02485

<141> 1996/12-18

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<170> PatentIn Ver. 2.0

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→ agctttaacg							
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35 40 45

Asp Val Phe Leu Phe Ile Ala Gly Thr Leu Gly Val Asp Leu Leu Ser 50 55 60

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Tyr Leu Leu Trp Phe Ala Val Met Ala Ala Lys Asp Ala Met Thr Asn 85 90 95

Lys Val Glu Ala Pro Gln Ile Ile Glu Glu Thr Glu Pro Thr Val Pro 100 105 110

Asp Asp Thr Pro Leu Gly Gly Ser Ala Val Ala Thr Asp Thr Arg Asn 115 120 125

Arg Val Arg Val Glu Val Ser Val Asp Lys Gln Arg Val Trp Val Lys 130 135 140

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Leu Asp Ala Phe Val Phe Ile Gly Gly Val Gly Ala Gln Tyr Gly Asp 165 170 175

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Trp Phe Pro Leu Val Gly Phe Gly Ala Ala Leu Ser Arg Pro Leu 195 200 205

Ser Ser Pro Lys Val Trp Arg Trp Ile Asn Val Val Val Ala Val Val 210 220

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